

NIRMA LIMITED, BHAVNAGAR
MATERIAL SAFETY DATA SHEET

[As per Schedule 5 of the Gujarat Factories (Amended) Rules-1995 under rule 68-J, 2(2) & 2(3)]

SAFETY DATA SHEET							
1.CHEMICAL IDENTITY							
Chemical Name	SODA ASH (All Grade)		Chemical Classification	---			
Synonyms	Crystal Carbonate		Trade Name	---			
			C.A.S.No.	497-19-8			
Formula	Na₂CO₃		U.N.No.	---			
Regulated Identifications	Shipping Name		---				
	Codes/Label		---				
	Hazardous Waste I.D.No.		---				
	Hazchem No.		---				
Hazardous Ingredients		C.A.S. No.	Hazardous Ingredients		C.A.S. No.		
1	---	---	2	---	---		
2.PHYSICAL AND CHEMICAL DATA							
BOILING Range / Point °C	Physical State			Appearance			
Decompose	Solid			Crystalline Powder			
Melting/Freezing Point °C	Vapour Pressure at 35°C			Odour			
---	---			Odourless			
Vapour Density (Air =1)	Solubility in water at 30°C			Others			
2.509	21.5 /100 parts at 20°C			---			
Specific Gravity (Water=1)	pH						
2.509 at 0°	11.6			---			
3.FIRE AND EXPLOSION HAZARD DATA							
Flammability	LEL			Flash Point °C			
No	Not Applicable %			Not Applicable (OC)			
TDG Flammability	UEL			Flash Point °C			
---	Not Applicable %			Not Applicable (CC)			
Autoignition Temperature °C	---			Combustible Liquid	---		
Explosion Sensitivity to Impact	---			Flammable Material	---		
Explosion Sensitivity to Static Electricity	---			Pyrophoric Material	---		
Hazardous Combustion Product	---			Explosive Material	---		
				Oxidiser	---		
Hazardous Polymerisation	---			Organic Peroxide	---		
Others	---			Corrosive Material	---		
4.REACTIVE DATA							
Chemical Stability	Stable						
Incompatibility with other Material	---						
Reactivity	Can react violently with P₂O₅Al, H₂SO₄, Fe, Li, 2, 4, 6, Tri-nitrotolylene						
Hazardous Reaction Products	Decompose at 400°C and evolve CO₂ and slowly absorb the moisture in air.						

5. HEALTH HAZARDS DATA							
Routes of Entry	Inhalation, Skin & Eyes						
Effects of Exposure/ Symptoms	---						
Emergency Treatment	Remove cloth, Shoes, wash eye with plenty of water for 15 minutes, skin with soap and take doctor advice.						
TLV (ACGIH)			STEL				
---	ppm	---	mg/m ³	---			
Permissible Exposure Limit			Odour Threshold				
---	ppm	---	mg/m ³	---			
LD ₅₀ (Oral Rat)	---						
NFPA Hazard		Health	Flammability	Reactivity			
Signals		---	---	---			
6. PREVENTIVE MEASURES							
Personal Protective Equipment	Rubber / PVC gloves, Dust Mask, Safety Goggles, Gum Boot Cover All other.						
Handling & Storage Precautions	Keep containers closed to store, wear rubber gloves, safety goggles & cover all. Keep containers in cool, dry and well ventilated place.						
7. EMERGENCY / FIRST AID MEASURES							
FIRE	Fire Extinguishing Media	Not Flammable					
	Special Procedure	Cool					
	Unusual Hazardous	---					
EXPOSURE	First Aid Measures	Remove cloth, Shoes, wash eye & skin with plenty of water, take Doctor's advice.					
	Antidotes / Dosages	Symptomatic treatment, no specific antidote.					
SPILLS	Steps to be Taken	Sweep it, dilute with sufficient water and neutralise with 6N- HCl					
	Waste Disposal Method	Drain in to sewer with abundant water.					
8. ADDITIONAL INFORMATION / REFERENCES							

9. MANUFACTURERS / SUPPLIERS DATA							
Name of Firm	Nirma Ltd.		Contact Person in Emergency	Mr. D. G. Jakhade			
Mailing Address	Kalatalav, Bhavnagar		Local Bodies Involved	--			
Telephone / Telex Nos.	(0278) 2885301 to 4 / (0278) 2885309-19		Standard Packing	--			
Telegraphic Address	--		Trem Card Details / Ref.	--			
10. DISCLAIMER							